

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1763	347/54,61-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:20
L2	56	L1 and ((10-degrees ("10" adj degrees)) with boiling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:22
L3	56	L2 and (net adj3 (effect energy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:22
L4	56	3 and replac\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:22
L5	56	4 and equal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:23
L6	2	5 and (electrical adj energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:23
L7	371	((10-degrees ("10" adj degrees)) with boiling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:22
L8	76	L7 and (net adj3 (effect energy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:22
L9	76	8 and replac\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:22
L10	75	9 and equal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:23

## EAST Search History

L11	3	10 and (electrical adj energy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:23
S1	3754	silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:15
S2	970	S1 and bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 10:24
S3	839	S2 and (prevent prevention preventing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 10:25
S4	838	S3 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 10:25
S5	649	S4 and (boil boiling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 11:00
S6	61	S5 and (nanojoule nanojoules nano-joule nano-joules (nano adj joule))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 10:10
S7	1	("6557977").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/02 10:28
S8	588	S5 not S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 14:48
S9	4436	347/54-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 14:49
S10	255	S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 14:49

## EAST Search History

S11	319	347/62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 10:44
S12	38	S11 and silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 13:51
S13	10	("4914562"   "4965594"   "5706041"   "5969005"   "5992769"   "6019457"   "6084619"   "6296350"   "6482574"   "6543879").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/02 19:53
S14	1662	347/54,61-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 10:45
S15	127	S14 and (self-cooling (self adj cooling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 11:35
S16	1	S14 and ((10-degrees ("10" adj degrees)) with cooler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 11:37
S17	45	S14 and ((10-degrees ("10" adj degrees)) with boiling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 15:20
S18	4436	347/54-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 13:51
S19	589	S18 and silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:13
S20	4441	347/54-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:13
S21	592	S20 and silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:16

## EAST Search History

S22	376	S21 and bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:14
S23	186	S22 and collapse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:15
S24	182	S23 and degree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:15
S25	182	S24 and boiling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:15
S26	182	S25 and nozzle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:16
S27	182	S26 and energy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:16
S28	100	S27 and (cool cooler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 10:18
S29	59	S21 and ("10" adj degree) 10-degree 10-degrees)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:38
S30	73	S20 and ("10" adj degree) 10-degree 10-degrees)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:06
S31	66	S30 and bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:06

## EAST Search History

S32	165	S21 and (self-cooling (self adj cooling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 11:14
S33	1	("6755509").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/02/07 14:56
S34	65218	printhead print-head (print adj head)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 12:48
S35	8946	S34 and bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 12:48
S36	13	S35 and (degrees with (cool cooler))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:16
S37	543	S35 and ((ink liquid bubble) with (cool cooler))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 12:58
S38	5	S35 and ((ink liquid bubble) with (cool cooler) with (degree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:00
S39	60	S35 and ((bubble) with (cool cooler cooling) with (degree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:00
S40	69	S35 and ((ink) with (cool cooler cooling) with (degree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:04
S41	7	S35 and ((ambient) with (cool cooler cooling) with (degree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:05

## EAST Search History

S42	103	S34 and ((bubble ink liquid) with (cool cooling cooler) with (subsequent subsequently))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:08
S43	72	S42 and bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:08
S44	4	S35 and (((("10" "20" "30" "40" "50" "60" "70" "80" "90") adj degrees) with (cool cooler))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:19
S45	65	S35 and (((("10" "20" "30" "40" "50" "60" "70" "80" "90") adj degrees) with (cool cooler cooling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:21
S46	61	S35 and (((("10" "20" "30" "40" "50" "60" "70" "80" "90") adj degrees) with (boiling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 13:22
S47	19	S34 and (((electrical adj energy) (electrical-energy)) with ((heat energy) (heat adj energy)) with (equivalent equal difference))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:49
S48	10	S47 and bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:40
S49	4	S34 and (((electrical adj energy) (electrical-energy)) with ((heat-energy) (heat adj energy) (thermal-energy) (thermal adj energy)) with (equivalent equal) with (bubble drop ejected ink))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:56
S50	1	("5706041").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/02/07 14:57
S51	1	("5841452").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/02/07 15:26
S52	1	("6543879").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/02/07 15:34

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S53	1	("5534898").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/02/07 15:41
S54	1	("4965594").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/02/07 15:41
S55	6	S34 and (((electrical adj energy) (electrical-energy)) with ((heat-energy) (heat adj energy) (thermal-energy) (thermal adj energy)) with (equivalent equal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:57
S56	35	S34 and (((electrical adj energy) (electrical-energy)) with ((heat-energy) (heat adj energy) (thermal-energy) (thermal adj energy)) with (ink))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:57
S57	1	("5841452").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2006/02/08 14:15
S58	4441	347/54-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:16
S59	1684	S58 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:16
S60	582	S59 and silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:16
S61	58	S60 and (nanogram nano-gram (nano adj gram))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:17
S62	70	S59 and (nanogram nano-gram (nano adj gram))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:18
S63	62	S59 and ((nanogram nano-gram (nano adj gram)) with (heater heating element resistor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:33

## EAST Search History

S64	70	S59 and (nanogram nano-gram (nano adj gram))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:25
S65	92	S59 and (nanogram nano-gram (nano adj gram) "ng")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:25
S66	65	S59 and ((nanogram nano-gram (nano adj gram) picogram pico-gram (pico adj gram) gram) with (heater heating element resistor solid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:37
S67	67	S59 and ((nanogram nano-gram (nano adj gram) picogram pico-gram (pico adj gram) gram) with (heater heating element resistor solid coat coating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:38
S68	58	S59 and ((nanogram nano-gram (nano adj gram) picogram pico-gram (pico adj gram) gram) with (heater heating element resistor) with (solid coat coating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:40
S69	58	S58 and ((heater resistor) with (mass) with (gram nano-gram nanogram (nano adj gram) picogram pico-gram (pico adj gram)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:41
S70	59	S58 and ((heater resistor) with (gram nano-gram nanogram (nano adj gram) picogram pico-gram (pico adj gram)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:42
S71	85	((heater resistor) with mass with (gram nano-gram nanogram (nano adj gram) picogram pico-gram (pico adj gram)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:44
S72	62	S71 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:42
S73	378	((heater resistor chip coating coat) with mass with (gram nano-gram nanogram (nano adj gram) picogram pico-gram (pico adj gram)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:45



## EAST Search History

S74	62	S73 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:45
S75	0	S74 not (droplet drop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:45
S76	19128	((heater resistor chip coating coat) with (gram nano-gram nanogram (nano adj gram) picogram pico-gram (pico adj gram)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:45
S77	331	S76 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:50
S78	65218	(printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:50
S79	2590	S78 and ((heater resistor) near3 (coat coating solid layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:51
S80	4267	S78 and ((heater resistor) with (coat coating solid layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 14:51
S81	140	S78 and ((heater resistor) with (coat coating solid layer) with (mass weight))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:00
S82	263	S78 and ((heater heating resistor) with (coat coating solid layer) with (mass weight))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:03
S83	62	S78 and ((heater heating resistor) with (coat coating solid layer) with (nanogram picogram nano-gram pico-gram))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:31

## EAST Search History

S84	560	S78 and ((heater heating resistor) with (titanium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:31
S85	42	S84 and 347/62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:42
S86	319	347/62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:43
S87	40	S86 and (page-width (page adj width))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 15:59
S88	81	S86 and (bubble with collapse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:00
S89	34	S86 and (bubble with collapse with (away space spaced))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:32
S90	41	S86 and ((resistor heater heating) with (coat coating) (seamless))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:37
S91	27	S86 and ((resistor heater heating) with (coat coating) with (seamless))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:33
S92	27	S86 and ((resistor heater heating) with (seamless))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:34
S93	36	S86 and ((resistor heater heating) with (coat coating) with (seam crack protect protection protective))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:39

## EAST Search History

S94	28	S86 and ((resistor heater heating) with (coat coating) with (conformal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:39
S95	29	S86 and ((resistor heater heating) with (coat coating) with (side))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:40
S96	27	S86 and ((resistor heater heating) with (seamless))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:40
S97	139	((resistor heater heating) with (seamless) with (coat coating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:41
S98	57	S97 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:41
S99	1203	((resistor heater heating) with (seamless))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:44
S100	60	S99 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:41
S101	1203	((resistor heater heating) with (seamless seam-less))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:43
S102	1205	((resistor heater heating) with (seamless seam-less (seam adj less)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:44
S103	57	S102 and printhead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:44

## EAST Search History

S10 4	1978955	((resistor heater heating) with (coat coating) with simultaneous simultaneously)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:44
S10 5	2146	((resistor heater heating) with (coat coating) with (simultaneous simultaneously))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:45
S10 6	62	S105 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:45
S10 7	5519	((resistor heater heating) with (coat coating) with (simultaneous simultaneously crack cover fully full all-over))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:49
S10 8	94	S107 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:46
S10 9	7632	((resistor heater heating) with (coat coating) with (simultaneous simultaneously crack cover fully full all-over completely surrounding surround))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:50
S11 0	113	S109 and (printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:56
S11 1	65218	(printhead print-head (print adj head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:56
S11 2	0	S111 and ((resistor heater heating) with (coat coating) with (suspending suspension cantilever))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:57
S11 3	12	S111 and ((resistor heater heating) with (coat coating) same (suspending suspension cantilever))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 16:58

## EAST Search History

S11 4	3	S111 and ((resistor heater heating) with (coat coating)) same (suspending suspensin cantilever)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:00
S11 5	135	S111 and ((resistor heater heating) with (coat coating)) and (suspending suspensin cantilever)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:00
S11 6	135	S111 and ((resistor heater heating) with (coat coating)) and (suspending suspensiOn cantilever)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:00
S11 7	245	S111 and ((resistor heater heating) with (coat coating)) and (suspending suspension cantilever)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:03
S11 8	73	S117 and 347/54-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:11
S11 9	4441	347/54-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:11
S12 0	108	S119 and ((suspending suspension cantilever) with (resistor heater heating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:13
S12 1	0	S119 and ((suspending suspension cantilever) with (resistor heater heating) with (protective protection protect))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:14
S12 2	0	S119 and ((suspending suspension cantilever) with (resistor heater heating) with (coating coat "cvd"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:14
S12 3	7	S119 and ((suspending suspension) with (resistor heater heating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:15

## EAST Search History

S12 4	168	S119 and ((coat coating) with (resistor heater heating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:16
S12 5	62	S119 and ((coat coating) with (resistor heater heating) with (side))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:17
S12 6	168	S119 and ((coat coating) with (resistor heater heating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:56
S12 7	4441	347/54-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:56
S12 8	1	S127 and (bubble with (ejected ejecting eject) with (ambient) with (temperature) with boiling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:57
S12 9	2	S127 and (bubble with (ejected ejecting eject) with (ambient) with boiling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/08 17:59
S13 0	4	S127 and (bubble with (ejected ejecting eject) with (boiling)) same ambient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 10:45
S13 1	9	("4410899"   "4638337"   "4723129"   "4839665"   "4965610"   "4999646"   "5148186"   "5218376"   "5270730").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/08 18:00
S13 2	65275	printhead print-head (print adj head)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 10:45
S13 3	8969	S132 and bubble	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 10:45
S13 4	2329	S133 and ambient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 10:46

## EAST Search History

S13 5	2013	S134 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 10:48
S13 6	1776	S135 and (replace\$4 replenish\$4 supply\$3 supplied)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 10:49
S13 7	1641	S136 and (reservoir storage chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 10:58
S13 8	46	S137 and 347/62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 10:58
S13 9	42	S137 and 347/62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 11:44
S14 0	4442	347/54-62.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 11:44
S14 1	65	S140 and (volume with (energy heat) with (bubble drop) with (less))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 11:46
S14 2	61	S141 and ambient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/09 11:46